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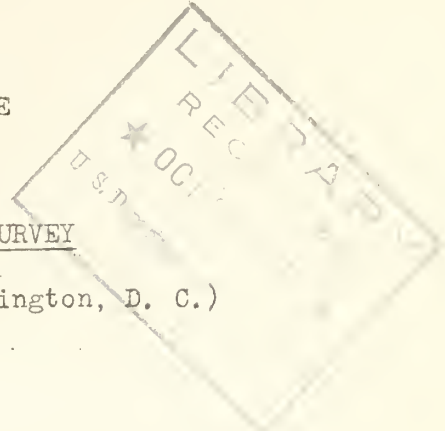
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* Cooperative warden

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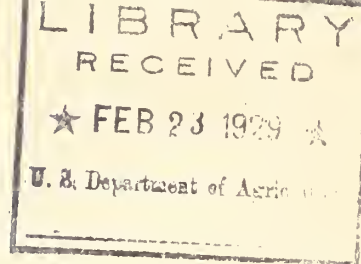
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Arthur H. Howell, senior biologist (mammal and bird surveys)
C. H. M. Barrett, taxidermist
Mrs. Jane S. Elliott, scientific aid (draftsman)
Mrs. Viola S. Snyder, biological aid (mammal collection)
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E. R. Kalmbach, senior biologist (economic ornithology)
J. R. Malloch, associate biologist (entomology)
C. C. Sperry, assistant biologist (economic ornithology)
F. M. Uhler, assistant biologist (economic ornithology and herpetology)
L. L. Buchanan, assistant biologist (in charge of files)
Phoebe Knappen, junior biologist (files)

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Charles O. Handley, field assistant, Thomasville, Ga.

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Hannah C. Higginbottom, clerk, Capitol Extension Bldg., Sacramento

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D. D. Green, assistant biologist, assistant leader
Idella Ustrud, clerk

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G. W. Kerr, clerk, Box 13, Boise

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Roy Moore, assistant biological aid
Mrs. Esther D. Baldwin, clerk

Montana--Extension Division, State Agricultural College, Bozeman

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E. C. Cates, junior biologist, assistant

Nevada--450 Gazette Bldg., Reno

E. R. Sans, leader
Edna Thomas, clerk

New Mexico--208 French Bldg., Albuquerque

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Edward Edgington, junior biologist, assistant leader
J. F. Moyer, junior biologist, assistant
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Roy Fugate, junior biologist, assistant
J. E. Branson, agent
Adelaide D. King, clerk

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Wallace W. Smith, junior biologist, assistant
Sue C. Platt, clerk

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R. Jeff Powell, agent
M. M. Smith, clerk

Utah--204 Atlas Bldg., Salt Lake City

R. Scott Zimmerman, assistant biologist, leader
V. L. Johnson, agent
Mrs. Edna K. Thomas, clerk

Washington

Leo K. Couch, assistant biologist, leader, State Capitol, Olympia
John Finley, assistant biologist, assistant leader, Puyallup
Deborah Williams, clerk, State Capitol, Olympia

Wyoming--

A. M. Day, associate biologist, leader, P. O. Box 215, Cheyenne
E. G. Albert, agent, Lusk
Adolph Hamm, agent, P.O. Box 215, Cheyenne
E. M. Muse, clerk, P.O. Box 215, Cheyenne
Irene James, clerk, P.O. Box 215, Cheyenne

PREDATORY-ANIMAL CONTROL

Alaska--Juneau

R. K. Stewart, leader

Arizona--134 South Central Avenue, Phoenix

M. E. Musgrave, leader
L. E. Davenport, clerk

California--Capitol Extension Bldg., Sacramento

Charles G. Poole, leader
J. G. Traub, assistant
A. A. Traub, agent
Hannah C. Higginbottom, clerk

Colorado--Kansas

Leo L. Laythe, associate biologist, leader, 305 Custom House,
Denver, Colo.
J. W. Crook, assistant, Monte Vista, Colo.
George M. Trickel, assistant, Montrose, Colo.
Idella Ustrud, clerk, 305 Custom House, Denver, Colo.

Idaho

L. J. Goldman, leader, Box 416, Gooding
Leo S. Twitchell, assistant, Dubois

DIVISION OF ECONOMIC INVESTIGATIONS--Continued

PREDATORY-ANIMAL CONTROL--Continued

Montana--Box 1251, Billings

R. E. Bateman, leader
Christie M. Farr, clerk

Nevada--450 Gazette Bldg., Reno

E. R. Sans, leader
A. L. Rasmussen, assistant
Edna Thomas, clerk

New Mexico--208 French Bldg., Albuquerque

A. E. Gray, associate biologist, leader
S. F. Pickens, agent
Wanna M. Kintzley, clerk

Oklahoma--Arkansas--506 Equity Bldg., Oklahoma City

J. C. Gatlin, assistant biologist, leader
C. F. Briggs, assistant
Mrs. Lucile Monnett, clerk

Oregon--515 Post Office Bldg., Portland

Stanley G. Jewett, leader
H. W. Dobyns, assistant
Elmer Williams, assistant
E. S. Hoek, clerk

South Dakota-Nebraska--265 Post Office Bldg., Rapid City, S. Dak.

Louis Knowles, leader
Sue C. Platt, clerk

Texas

C. R. Landon, leader, 204 Aztec Bldg., San Antonio
C. L. Coleman, assistant, Canyon
Eddie Ligon, assistant, 204 Aztec Bldg., San Antonio
M. M. Smith, clerk, 204 Aztec Bldg., San Antonio

Utah--204 Atlas Bldg., Salt Lake City

G. E. Holman, leader
Edward Rasmussen, assistant
S. R. Dunham, agent
Mrs. Edna K. Thomas, clerk

DIVISION OF ECONOMIC INVESTIGATIONS--Continued

PREDATORY-ANIMAL CONTROL--Continued

Washington--State Capitol, Olympia

Dr. Glenn R. Bach, leader
L. L. Englund, agent
Deborah Williams, clerk
Helen K. Landt, clerk

Wyoming

A. M. Day, associate biologist, leader, Box 215, Cheyenne
H. P. Williams, assistant, 38 West Brundage Street, Sheridan
C. C. Skinner, assistant, Box 215, Cheyenne
E. G. Albert, agent, Lusk
E. M. Muse, clerk, Box 215, Cheyenne
Irene James, clerk, Box 215, Cheyenne

DIVISION OF GAME AND BIRD CONSERVATION

Harold P. Sheldon, U. S. game conservation officer, in charge
Talbot Denmead, assistant U. S. game conservation officer
W. R. Dillon, assistant U. S. game conservation officer
Ernest P. Walker, assistant in reservations administration
Frank L. Earnshaw, administrative assistant
E. P. Callaghan, assistant (Federal game-law violations)
E. G. Grimes, assistant (game and fur law publications)
George A. Hossick, assistant (migratory-bird treaty-act permits)
Clara Ruth, stenographer-clerk
Mrs. Jennie M. Whippo, secretarial-clerk
Mary O'Brien, stenographer-clerk
Martha M. Taylor, stenographer
Mrs. May R. Jeffries, stenographer
Mrs. Burnetta E. Muth, dictaphone transcriber
Mrs. Margaret E. Leonard, clerk
Johanna H. Corsack, typist

BIG-GAME PRESERVES

Montana: National Bison Range

Frank H. Rose, protector, Moiese
K. Esther Largent, stenographer-clerk, Moiese

Nebraska: Niobrara Reservation

Fred M. Dille, protector, Valentine

North Dakota: Sullys Hill National Game Preserve

Wesley D. Parker, protector, Fort Totten

DIVISION OF GAME AND BIRD CONSERVATION--Continued

BIG GAME PRESERVES--Continued

South Dakota: Wind Cave National Game Preserve

H. Harrison Hoyt, protector, in charge, Hot Springs

Wyoming: Elk Refuge

Almer P. Nelson, protector, Jackson

BIRD REFUGES

Alaska: Alaskan Reservations

Hugh W. Terhune, administrative officer, Juneau

Arkansas: Big Lake Reservation

L. L. Bryan, protector, Hornersville, Mo.

California: Clear Lake Reservation

**Silas W. Kilgore, warden, Langell Valley, Oreg.

Florida: Tampa Bay Group

H. P. Bennett, warden, 2300 - 68th Avenue, South, St. Petersburg

Georgia: Blackbeard Island Reservations

*Howard E. Coffin, warden, Sapeloe

*John F. Casey, assistant warden, Sapeloe

*George N. Tharin, assistant warden, Sapeloe

Idaho: Minidoka Reservation

**C. F. Gleason, warden, Rupert

Montana:

Nine Pipe and Pablo Reservations

Frank H. Rose, protector, Moiese

***Cecil H. Dexter, deputy reservation warden, Charlo

***J. C. Mayer, deputy reservation warden, Pablo

Willow Creek Reservation

**Merrill C. Marvin, warden, Augusta

*Coöperative warden.

**Coöperative warden, Reclamation Service employee.

***Coöperative warden, Office of Indian Affairs employee.

DIVISION OF GAME AND BIRD CONSERVATION--Continued

BIRD REFUGES--Continued

Nebraska: North Platte Reservation

**W. R. Jones, warden, Minatare

New Mexico:

Carlsbad Reservation

**L. E. Foster, warden, Carlsbad

**Henry C. Holcomb, deputy warden, Lakewood

**J. P. Middleton, deputy warden, Carlsbad

Rio Grande Reservation

**R. J. Schmalhausen, warden, Elephant Butte, via Engle

Oregon: Lake Malheur Reservation

George M. Benson, protector, Voltage

South Dakota: Belle Fourche Reservation

George M. Wilson, warden, Belle Fourche

Utah: Bear River Migratory-Bird Refuge (Hdqs. State Capitol Building, Salt Lake City)

D. H. Madsen, superintendent, Salt Lake City

L. M. Winsor, irrigation engineer, Logan

Nathan W. Green, stenographer-clerk, Logan

Miriam J. Horkan, stenographer, Salt Lake City

James Dacon Scott, stenographer-clerk, Logan

Washington: Conconully Reservation

**Charles M. Conger, warden, Conconully

UPPER MISSISSIPPI RIVER WILD LIFE AND FISH REFUGE (Hdqs. Federal Building, Winona, Minn.)

W. T. Cox, Superintendent, Winona

Rudolph Dieffenbach, land valuation engineer, Winona

John A. Murphy, attorney, Winona

Benjamin Catchings, attorney, Winona

John E. Stephens, attorney, Winona

*Cooperative warden.

**Cooperative warden, Reclamation Service employee.

UPPER MISSISSIPPI RIVER WILD LIFE AND FISH REFUGE--Continued

Harold B. Fitzsimmons, abstractor, Winona
Otto E. Mueller, reservation ranger, 1016 Main Street, La Crosse, Wis.
Robert M. Rutherford, forester, Winona
Harold W. Hicks, forester, Winona
Chalmer Jackson, transitman, Winona
Harley C. Lawrence, reservation ranger, 2609 Broadway, Dubuque, Iowa
John L. Lundberg, reservation ranger, 302 Jefferson Street,
Wabasha, Minn.
Albert J. Cheney, reservation ranger, Bellevue, Iowa
Homer F. Hall, reservation ranger, Kellogg, Minn.
Lars M. Pederson, deputy reservation ranger, Winona
Nels Nelson, deputy reservation ranger, McGregor, Iowa
George H. Winslow, engineman, Winona
Elton C. Hotchkiss, administrative assistant, Winona
Melba A. Batdorf, stenographer-clerk, Winona
Mabel A. McCann, stenographer, Winona
Velma V. Kins, stenographer, Winona
Lena M. Comstock, stenographer, Winona
Alethea M. Gerlach, stenographer, Winona
Mrs. Vivian J. Sartwell, stenographer, Winona
Genevieve M. C. Schuberg, stenographer, Winona

PROTECTION OF MIGRATORY BIRDS (United States Game Protectors)

Harry Barmeier, 4947 Schollmeyer Avenue, St. Louis, Mo.
Wm. L. Birsch, Box 177, New Bern, N. C.
B. R. Britton, Box 185, Socorro, N. Mex.
M. A. Charlton, 2106 Summit Street, Columbus, Ohio
Frank Clarkson, Box 1168, Houston, Tex.
Philip S. Farnham, Oswego, N. Y.
William H. Hoffman, Box 1022, Mobile, Ala.
John Q. Holmes, c/o Hotel Hill, Omaha, Nebr.
J. V. Kelsey, Box 1825, Daytona Beach, Fla.
S. W. Linebaugh, Russellville, Ky.
Geo. E. Mushbach, Box 438, Billings, Mont.
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Webster H. Ransom, Box 94, Spokane, Wash.
George M. Riddick, Box 815, Little Rock, Ark.
Kenneth F. Roahen, Box 306, Peoria, Ill.
B. J. Shaver, General Delivery, St. Paul, Minn.
Bertrand E. Smith, 21 Rosemont Avenue, Portland, Me.
Albert Stadlmeir, 938 N. Main Street, Pleasantville, N. J.
Orin D. Steele, P. O. Box 25, Cambridge, Md.
Ray C. Steele, 516 Post Office Bldg., Portland, Oreg.
George Tonkin, Box 399, Berkeley, Calif.
E. B. Whitehead, 532 East 50th Street, Savannah, Ga.

Moody Creighton, marine engineer and pilot, 610 L Street, SW.,
Washington, D. C.

DIVISION OF GAME AND BIRD CONSERVATION--Continued

IMPORTATION OF FOREIGN BIRDS AND MAMMALS

Dr. T. S. Palmer, senior biologist, in charge

Importation Inspectors

Baltimore, Md.

W. H. Fisher, Stock Exchange, Redwood Street,

Honolulu, Hawaii

D. T. Fullaway

L. A. Whitney

Los Angeles, Calif.

W. A. Bryan, Museum of History, Art, and Science

New York, N. Y.

B. S. Bowdish, Demarest, N. J.

W. DeWitt Miller, American Museum of Natural History, New York City

Philadelphia, Pa.

W. L. Baily, 421 Chestnut Street

San Francisco, Calif.

Dr. H. C. Bryant, Fish and Game Commission, San Francisco

Mrs. M. E. Davidson, California Academy of Sciences, Golden Gate
Park, San Francisco

H. S. Swarth, California Academy of Sciences, Golden Gate Park
San Francisco

Margaret W. Wythe, Museum of Vertebrate Zoology, Berkeley

ALASKA GAME COMMISSION

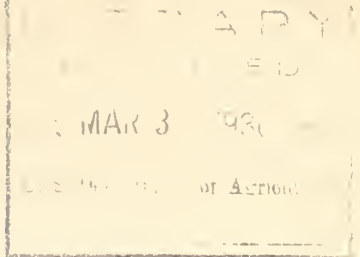
Dr. William H. Chase, chairman and member from third judicial
division, Cordova

William E. Selfridge, member from first judicial division,
Ketchikan

Frank P. Williams, member from second judicial division, St. Michael

Irving McK. Reed, member from fourth judicial division, Fairbanks

Hugh W. Terhune, executive officer, fiscal agent, and secretary;
chief representative of Bureau of Biological Survey resident
in Alaska, Juneau



United States Department of Agriculture
Bureau of Biological Survey

PERSONNEL OF THE BUREAU OF BIOLOGICAL SURVEY

(Unless otherwise specified, addresses are Washington, D. C.)

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Paul G. Redington, chief of bureau
W. C. Henderson, associate chief of bureau
Thos. E. Jacoby, secretary to chief

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E. J. Thompson, assistant in operations, in charge
Edith J. Smith, budget and allotment clerk
Alice W. Hall, personnel clerk

Accounts

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Mrs. Jessie M. Stabler, bookkeeper
J. E. D. Milton, auditor and assistant bookkeeper
Mrs. Mary P. DeKnight, stenographer
Dana P. Miller, auditor
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Vinnie F. Morgan, clerk-typist

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E. J. Down, clerk

Mails and Files

W. D. Hobbs, in charge
Philip S. McCubbin, mail clerk
Mrs. Rosa E. J. Koch, file clerk
Mrs. Roby W. Stehr, file clerk
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Morris Troshinsky, messenger
Richard N. Crack, messenger
Richard A. Hollis, messenger

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Ethel M. Johnson, editorial clerk

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Ethel N. Jett, stenographer and photograph file clerk

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E. R. Scholl, stenographer-clerk

INVESTIGATIONS OF WILD-ANIMAL LIFE

Edward A. Preble, senior biologist, assistant in charge
(mammalogy)
Edward A. Goldman, senior biologist (mammalogy, special surveys)
Dr. H. H. T. Jackson, senior biologist (mammalogy, surveys and
collections)
Vernon Bailey, senior biologist (surveys, life histories)
Arthur H. Howell, senior biologist (mammal and bird surveys)
C. H. M. Barrett, taxidermist
Mrs. Jane S. Elliott, scientific aide (draftsman)
Mrs. Viola S. Snyder, biological aide (mammal collection)
Emma M. Charters, clerk (mammal records)
Mrs. Blanche W. Mahlman, typist
Dr. W. P. Taylor, senior biologist (surveys and life histories),
University of Arizona, Tucson, Ariz.
O. J. Murie, biologist (big-game investigations), Jackson, Wyo.

BIOLOGICAL RESEARCH IN FOREST WILD LIFE

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Experiment Station, 612 City Hall, Asheville, N. C.
Oliver L. Austin, Jr., assistant biologist, Lake States Forest
Experiment Station, University Farm, St. Paul, Minn.

DIVISION OF BIOLOGICAL INVESTIGATIONS--Continued

INVESTIGATIONS OF MIGRATORY BIRDS

Dr. Harry C. Oberholser, senior biologist (ornithology and bird censuses)
May T. Cooke, junior biologist (nesting-bird censuses, and distribution)
Anna McDiffett, clerk (waterfowl-census records)
Allen J. Duvall, clerk (waterfowl-census records)
Ruth Richards, clerk (bird-migration records)
Mrs. Bessie W. Palm, stenographer
Frederick C. Lincoln, associate biologist (bird-banding operations)
Myra A. Putnam, clerk (bird-banding records)
John G. May, clerk (bird-banding records and supplies)

REINDEER AND GRAZING INVESTIGATIONS IN ALASKA

L. J. Palmer, senior biologist, in charge, Reindeer Experiment Station, College, Alaska
W. B. Miller, associate range examiner, Nome, Alaska

DIVISION OF FOOD HABITS RESEARCH

W. L. McAtee, principal biologist, in charge
Mrs. Elsie V. Beale, laboratory assistant
Florence H. Warnick, stenographer

FIELD INVESTIGATORS

Stanley E. Piper, associate biologist, 4123 - 45th Street, San Diego, Calif.
Theo. H. Scheffer, associate biologist, Puyallup, Wash.

RELATION OF NATIVE AND INTRODUCED BIRDS AND OTHER ANIMALS TO AGRICULTURE

E. R. Kalmbach, senior biologist (economic ornithology)
Dr. A. K. Fisher, senior biologist (economic ornithology)
J. R. Malloch, biologist (entomology)
C. C. Sperry, associate biologist (economic ornithology)
F. M. Uhler, assistant biologist (economic ornithology and herpetology)
Clarence Cottam, junior biologist (economic ornithology)
A. Sidney Hyde, junior biologist (economic ornithology)
Alma M. Swords, junior biologist (entomology)
Phoebe Knappen, junior biologist (files)

ECONOMIC INVESTIGATIONS OF MIGRATORY BIRDS

E. R. Kalmbach, senior biologist (economic ornithology)
C. C. Sperry, associate biologist (economic ornithology)
Clarence Cottam, junior biologist (economic ornithology)

DIVISION OF FOOD HABITS RESEARCH--Continued

FOOD RESOURCES OF MIGRATORY-BIRD REFUGE AREAS

Neil Hotchkiss, assistant biologist
Leonard E. Elkvall, junior botanist
F. A. Warren, junior botanist
A. C. Martin, junior biologist

WELFARE OF GAME BIRDS

H. L. Stoddard, cooperative agent

DIVISION OF FUR RESOURCES

Frank G. Ashbrook, principal biologist, in charge
Elsie Galloway, stenographer-clerk
Jozy Dell Hall, stenographer

U. S. FUR-ANIMAL EXPERIMENT STATION--Saratoga Springs, N. Y.

Dr. Karl B. Hanson, biologist, in charge
Walter G. McBlain, Jr., junior biologist, assistant
Jane E. Kehoe, stenographer
Joseph S. Mihalek, laborer

U. S. RABBIT EXPERIMENT STATION--Fontana, Calif.

John W. Meyer, associate biologist, in charge
Alice Sandell, stenographer-clerk
Allan E. Suitor, attendant
Charles C. Prouty, agent, University of Southern California,
Los Angeles, Calif.

EPIZOOTIC DISEASES OF FUR ANIMALS

Dr. J. E. Shillinger, senior biologist
Minnie C. Sherva, agent, University of Minnesota, Minneapolis, Minn
Arthur G. Pofhal, agent, University of Minnesota, Minneapolis, Minn
Lillian E. Morris, agent, University of Minnesota, Minneapolis, Minn

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL

Stanley P. Young, principal biologist, in charge
W. E. Crouch, senior biologist, assistant in charge
Mrs. Elizabeth O. Jacoby, stenographer-clerk
Charlotte D. Watson, stenographer-clerk

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

CONTROL METHODS RESEARCH

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Dr. J. C. Munch, consulting pharmacologist, care Sharp & Doime, Baltimore, Md.
J. C. Ward, pharmacologist, Dieter Bldg., 2254 Lawrence Street, Denver, Colo.
E. E. Horn, associate biologist, district investigator, 113 Hilgard Hall, University of California, Berkeley, Calif.
A. W. Moore, junior biologist, district investigator, 1671 Main Street, Hillsboro, Oreg.
S. E. Aldous, junior biologist, district investigator, 208 French Building, Albuquerque, N. Mex.
W. W. Smith, junior biologist, district investigator, Box 94, Polytechnic, Mont.
H. L. Jones, clerk, Dieter Bldg., 2254 Lawrence Street, Denver, Colo.
B. F. Lowery, skilled laborer, Dieter Bldg., 2254 Lawrence Street, Denver, Colo.

PREDATORY-ANIMAL AND RODENT CONTROL

Eastern United States District

Rodent control:

James Silver, associate biologist, leader
F. N. Jarvis, biological aide
Mrs. Bessie M. Smith, stenographer
E. M. Mills, junior biologist, assistant, Fernald Hall, Amherst, Mass.
G. C. Oderkirk, assistant biologist, assistant, Purdue University, Lafayette, Ind.
C. D. Schwartz, junior biologist, assistant, Ricks Hall, State College Station, Raleigh, N. C.
Roy Moore, junior biologist, assistant, State Plant Board, A. & M. College, Miss.

Alaska--Juneau

Predatory-animal Control:

R. K. Stewart, leader, care the Governor of Alaska
H. H. Gubser, assistant, care the Governor of Alaska

Arizona--134 South Central Avenue, Phoenix

Predatory-animal Control:

M. E. Musgrave, leader
L. H. Davenport, clerk

Rodent Control:

D. A. Gilchrist, associate biologist, leader
P. E. Foster, junior biologist, assistant
L. H. Davenport, clerk

DIVISION OF PREDATORY ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL--Continued

California

Predatory-animal Control--State Office Bldg., Sacramento:

Charles G. Poole, leader
J. G. Traub, assistant
A. A. Traub, agent
Mrs. Norma H. Brown, clerk

Rodent Control:

Joseph Keyes, assistant biologist, leader, State Office
Bldg., Sacramento
H. G. Hansen, junior biologist, assistant, 601 Willow Glen
Way, San Jose
Helen Cabral, stenographer

Colorado

Predatory-animal and Rodent Control:

L. L. Laythe, associate biologist, leader, 305 Custom House, Denver
D. D. Green, assistant biologist, assistant, 305 Custom House, Denver
J. W. Crook, assistant, predatory-animal control, Monte Vista
George M. Trickle, assistant, predatory-animal control, Montrose
Robert P. McFarland, assistant, predatory-animal control,
Box 427, Craig
Idella Ustrud, clerk, 305 Custom House, Denver
Cecelia Mae Ustrud, clerk, 305 Custom House, Denver

Idaho

Predatory-animal Control:

L. J. Goldman, leader, Box 59, Pocatello
Leo S. Twitchell, assistant, Dubois
H. O. Crowley, clerk, Box 59, Pocatello

Rodent Control:

T. B. Murray, assistant biologist, leader, Box 13, Boise
P. T. Quick, junior biologist, assistant, Box 59, Pocatello
Wm. E. Riter, junior biologist, assistant, Box 59, Pocatello
G. W. Kerr, clerk, Box 13, Boise

Michigan*

Predatory-animal Control:

H. P. Williams, leader, Munising, Mich.

*Effective March 1, 1930.

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL--Continued

Montana

Predatory-animal Control--Box 1251, Billings:

R. E. Bateman, leader
Elizabeth Standley, clerk

Rodent Control--Extension Division, State Agricultural College,
Bozeman:

O. E. Stephi, assistant biologist, leader
E. C. Cates, junior biologist, assistant

Nevada--450 Gazette Bldg., Reno

Predatory-animal and Rodent Control:

E. R. Sans, leader
A. L. Rasmussen, assistant, predatory-animal control
Ernest J. Greenwalt, agent
Mrs. Edna Thomas Heward, clerk

New Mexico--208 French Bldg., Albuquerque

Predatory-animal and Rodent Control:

J. C. Gatlin, assistant biologist, leader
C. M. Aldous, junior biologist, assistant
Mrs. Wanna K. Rutledge, clerk

Oklahoma-Arkansas

Predatory-animal Control:

A. E. Gray, associate biologist, leader, 514 Equity Bldg.,
Oklahoma City, Okla.
C. E. Briggs, assistant, care Fish and Game Commission,
Little Rock, Ark.
Esther Marmon, clerk, 514 Equity Bldg., Oklahoma City, Okla.

Oregon

Predatory-animal Control--515 Post Office Bldg., Portland:

Stanley G. Jewett, leader
H. W. Dobyms, assistant
Elmer Williams, assistant
E. S. Hoek, clerk

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL--Continued

Oregon--Continued

Rodent Control--516 Post Office Bldg., Portland:

Ira N. Gabrielson, assistant biologist, leader
Roy Fugate, junior biologist, assistant
J. F. Branson, agent
Adelaide G. King, clerk

South Dakota-Nebraska

Predatory-animal and Rodent Control:

Louis Knowles, leader, 265 Post Office Bldg., Rapid City, S. Dak.
H. H. Haecker, junior biologist, assistant, Room 5-6, Post Office
Bldg., Mitchell, S. Dak.
Sue C. Platt, clerk, 265 Post Office Bldg., Rapid City, S. Dak.

Texas--904 Smith-Young Tower, San Antonio

Predatory-animal Control:

C. R. Landon, leader
M. M. Smith, clerk

Rodent Control:

L. C. Whitehead, assistant biologist, leader
A. E. Oman, assistant biologist, assistant
J. M. Hill, Jr., junior biologist, assistant
R. B. Hickerson, agent
Helen Rockwell, clerk

Utah--204 Atlas Building, Salt Lake City

Predatory-animal Control:

Geo. E. Holman, leader
Edward Rasmussen, assistant
S. R. Dunham, agent
Mrs. Edna K. Thomas, clerk

Rodent Control:

R. Scott Zimmerman, assistant biologist, leader
V. L. Johnson, agent
Mrs. Dorothy Kennedy, clerk

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL-Continued

Washington

Predatory-animal Control--State Capitol, Olympia:

Dr. Glenn R. Bach, leader
L. L. Englund, agent, assistant
Deborah Williams, clerk

Rodent Control:

Leo K. Couch, assistant biologist, leader, State Capitol, Olympia
John Finley, assistant biologist, assistant, R. 3, Box 496,
Puyallup
John Connors, agent, assistant, Room 417, Federal Bldg., Spokane
Deborah Williams, clerk, State Capitol, Olympia

Wisconsin-Minnesota

Predatory-animal Control:

O. L. Coleman, leader, 406 Pioneer Bldg., Madison, Wis.
C. C. Skinner, assistant, Duluth, Minn.

Wyoming

Predatory-animal and Rodent Control:

A. M. Day, associate biologist, leader, P.O. Box 215, Cheyenne
E. G. Albert, agent, Lusk
Adolph S. Hamm, senior biological aide, assistant, P.O. Box 215,
Cheyenne
Orin Robinson, agent, #1 Hill. 333 P Street, Rock Springs
E. M. Muse, clerk, P. O. Box 215, Cheyenne
Mary Ward King, clerk, P. O. Box 215, Cheyenne

DIVISION OF GAME AND BIRD CONSERVATION

Harold P. Sheldon, U. S. game conservation officer, in charge
Talbot Denmead, assistant U. S. game conservation officer
W. R. Dillon, assistant U. S. game conservation officer
Ernest P. Walker, assistant in reservations administration
Frank L. Earnshaw, administrative assistant
F. P. Callaghan, assistant (Federal game-law violations)
F. G. Grimes, assistant (game and fur law publications)
George A. Hossick, assistant (migratory-bird treaty-act permits)
Clara Ruth, stenographer-clerk

DIVISION OF GAME AND BIRD CONSERVATION--Continued

Mrs. Jennie M. Whippo, secretarial-clerk
Mary O'Brien, stenographer-clerk
Martha M. Taylor, stenographer
Margaret A. Roberts, stenographer
Mrs. Burnetta E. Muth, dictaphone transcriber
Mrs. Margaret B. Leonard, clerk
Johanna H. Corsack, clerk-typist
Mrs. Ruth W. Gibbs, typist
R. W. Williams, deputy game conservation officer, 419 N. Calhoun
Street, Tallahassee, Fla.

BIG-GAME PRESERVES

Montana: National Bison Range

Frank H. Rose, protector, Moiese

Nebraska: Niobrara Reservation

Fred M. Dille, protector, Valentine

North Dakota: Sullys Hill National Game Preserve

Wesley D. Parker, protector, Fort Totten

South Dakota: Wind Cave National Game Preserve

H. Harrison Hoyt, protector, in charge, Hot Springs

Wyoming: Elk Refuge

Almer P. Nelson, protector, Jackson

BIRD REFUGES

Alaska: Alaskan Reservations

Hugh W. Terhune, administrative officer, Juneau

Arkansas: Big Lake Reservation

Steven B. Crossley, protector, Manila

California: Clear Lake Reservation

Silas W. Kilgore, warden, Langell Valley, Oreg.*

Florida: Tampa Bay Group

H. P. Bennett, warden, 2900 - 58th Avenue, South, Route 54,
Maximo, St. Petersburg

*Cooperative warden, Bureau of Reclamation employee.

DIVISION OF GAME AND BIRD CONSERVATION--Continued

BIRD REFUGES--Continued

Idaho: Minidoka Reservation ;

C. F. Gleason, warden, Rupert*

Montana:

Fort Keogh Reservation

J. R. Quesenberry, deputy reservation protector, Miles City**

Nine Pipe and Pablo Reservations

Frank H. Rose, protector, Moiese

Cecil H. Dexter, deputy reservation warden, Roman***

F. C. Mayer, deputy reservation warden, Pablo***

Nebraska: North Platte Reservation

W. R. Jones, warden, Minatare****

New Mexico:

Carlsbad Reservation

L. E. Foster, deputy warden, Carlsbad*

Henry C. Holcomb, deputy warden, Lakewood*

J. P. Middleton, deputy warden, Carlsbad*

Rio Grande Reservation

R. J. Schmalhausen, deputy warden, Elephant Butte, via Engle****

North Dakota:

Chase Lake Reservation

Wesley D. Parker, protector, Fort Totten

Hugh Marston, deputy warden, Pettibone****

Stump Lake Reservation

Wesley D. Parker, protector, Fort Totten

H. J. Schindele, deputy warden, Tolna****

*Cooperative warden, Bureau of Reclamation employee.

**Cooperative warden, Bureau of Animal Industry.

***Cooperative warden, Bureau of Indian Affairs employee.

****Cooperative warden.

DIVISION OF GAME AND BIRD CONSERVATION--Continued

BIRD REFUGES--Continued

Oregon: Lake Malheur Reservation

George M. Benson, protector, Voltage

South Dakota: Belle Fourche Reservation

Fred C. Winkler, deputy reservation protector, Fruitdale

Utah: Bear River Migratory-Bird Refuge (Hdqs. State Capitol
Bldg., Salt Lake City)

D. H. Madsen, superintendent, Salt Lake City

L. M. Winsor, irrigation engineer, County Courthouse, Brigham

Leslie Bowen, assistant irrigation engineer, County Courthouse,
Brigham

Vanez T. Wilson, assistant irrigation engineer, County Courthouse,
Brigham

Geo. D. Clyde, hydraulic engineer, County Courthouse, Brigham

Miriam J. Horkan, stenographer, Salt Lake City

James Dacon Scott, stenographer-clerk, County Courthouse, Brigham

Washington: Conconully Reservation

Charles M. Conger, deputy warden, Conconully*

UPPER MISSISSIPPI RIVER WILD LIFE REFUGE (Hdqs. Federal Building,
Winona, Minn)

Ray C. Steele, superintendent, Winona

Elton C. Hotchkiss, administrative assistant, Winona

Mabel A. McCann, stenographer, Winona

Genevieve M. C. Schuberg, stenographer, Winona

Reservation Rangers

Otto E. Mueller, 1016 Main Street, La Crosse, Wis.

Harley C. Lawrence, 2609 Broadway, Dubuque, Iowa

John L. Lundberg, 302 Jefferson Street, Wabasha, Minn.

Albert J. Cheney, Bellevue, Iowa

Homer F. Hall, Dresbach, Minn.

George H. Winslow, engineman, 813 Division Street, La Crosse, Wis.

Deputy Reservation Rangers

Lars M. Pedersen, 785 Dakota Street, Winona

Nels Nelson, McGregor, Iowa

*Cooperative warden, Bureau of Reclamation employee.

DIVISION OF GAME AND BIRD CONSERVATION--Continued

PROTECTION OF MIGRATORY BIRDS

United States Game Protectors

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Wm. L. Birsch, Box 177, New Bern, N. C.
Louis A. Branchaud, 2020 N Street, N.W., Washington, D. C.
B. R. Britton, Box 185, Socorro, N. Mex.
M. A. Charlton, 2106 Summit Street, Columbus, Ohio
Frank Clarkson, Box 1168, Houston, Tex.
Philip S. Farnham, Owego, N. Y.
William H. Hoffman, Box 1022, Mobile, Ala.
John Q. Holmes, c/o Hotel Hill, Omaha, Nebr.
Floyd A. Johnson, 1301 General Taylor Street, New Orleans, La.
J. V. Kelsay, Box 1825, Daytona Beach, Fla.
Chester A. Leichhardt, 516 Post Office Building, Portland, Oreg.
S. W. Linebaugh, Russellville, Ky.
Lawrence J. Merovka, Room 32, Federal Building, Memphis, Tenn.
Geo. E. Mushbach, Box 438, Billings, Mont.
John E. Perry, Room 400, Federal Bldg., Kansas City, Mo.
Webster H. Ransom, Box 94, Spokane, Wash.
George M. Riddick, Box 815, Little Rock, Ark.
Kenneth F. Roahen, Box 306, Peoria, Ill.
B. J. Shaver, General Delivery, St. Paul, Minn.
Bertrand E. Smith, 21 Rosemont Avenue, Portland, Me.
Albert Stadlmeir, 45 Loraine Avenue, Pleasantville, N. J.
Orin D. Steele, 125 Willis Street, Cambridge, Md.
George Tonkin, Box 399, Berkeley, Calif.
E. B. Whitehead, 532 East 50th Street, Savannah, Ga.

Moody Creighton, marine engineer and pilot and U. S. deputy game warden, 610 L Street, S.W., Washington, D. C.

IMPORTATION OF FOREIGN BIRDS AND MAMMALS

Dr. T. S. Palmer, senior biologist, in charge

Importation Inspectors

Baltimore, Md.:

W. H. Fisher, Stock Exchange, Redwood Street

Honolulu, Hawaii:

D. T. Fullaway*

L. A. Whitney*

*Plant Quarantine and Control Administration employee.

DIVISION OF GAME AND BIRD CONSERVATION--Continued

IMPORTATION OF FOREIGN BIRDS AND MAMMALS--Continued

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W. A. Bryan, Museum of History, Art, and Science

New York, N. Y.:

B. S. Bowdish, Demarest, N. J.

Lee S. Crandall, New York Zoological Park, 185th Street and
Southern Boulevard, New York City

Philadelphia, Pa.:

W. L. Baily, 421 Chestnut Street

San Francisco, Calif.:

Dr. H. C. Bryant, Fish and Game Commission, San Francisco

Mrs. M. E. Davidson, California Academy of Sciences, Golden Gate
Park, San Francisco

H. S. Swarth, California Academy of Sciences, Golden Gate Park,
San Francisco

Margaret W. Lythe, Museum of Vertebrate Zoology, Berkeley

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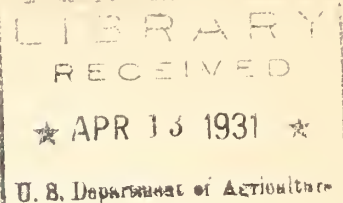
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Charles H. Rouse, senior forest ranger, College
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RELATION OF NATIVE AND INTRODUCED BIRDS AND OTHER ANIMALS TO AGRICULTURE

Washington investigators

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Dr. A. K. Fisher, senior biologist
J. R. Malloch, biologist
C. C. Sperry, associate biologist
F. M. Uhler, assistant biologist
Clarence Cottam, assistant biologist
Phoebe Knappen, junior biologist
Alma M. Swords, junior biologist
Leon H. Kelso, junior biologist
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DIVISION OF FOOD HABITS RESEARCH--Continued

RELATION OF NATIVE AND INTRODUCED BIRDS AND OTHER ANIMALS TO AGRICULTURE (Contd.)

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FOOD HABITS RESEARCH IN FOREST WILD LIFE

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ECONOMIC INVESTIGATIONS OF MIGRATORY BIRDS

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C. C. Sperry, associate biologist

Clarence Cottam, assistant biologist

FOOD RESOURCES OF MIGRATORY-BIRD REFUGE AREAS

Neil Hotchkiss, assistant biologist

A. C. Martin, junior biologist

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Walter G. McBlain, Jr., junior biologist, assistant

Jane E. Kehoe, stenographer

Joseph S. Mihalek, laborer

U. S. RABBIT EXPERIMENT STATION--Fontana, Calif.

John W. Meyer, associate biologist, in charge

Alice Sandell, stenographer-clerk

Allan E. Suitor, attendant

Roy T. Fisk, agent, University of Southern California,

Los Angeles, Calif.

DIVISION OF FUR RESOURCES--Continued

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Dr. J. E. Shillinger, senior biologist
Minnie C. Sherva, agent, University of Minnesota, Minneapolis, Minn.
H. J. Aldrich, agent, University of Minnesota, Minneapolis, Minn.
Stanley H. Tyler, agent, University of Minnesota, Minneapolis, Minn.
Bertha E. Worman, agent, University of Minnesota, Minneapolis, Minn.

INVESTIGATIONS OF FUR ANIMALS

Frank R. Smith, agent, Church Creek, Md.

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Winney E. Crouch, senior biologist
Albert M. Day, biologist
Mrs. Elizabeth O. Jacoby, clerk-stenographer
Charlotte D. Watson, clerk
Clona C. Whitaker, clerk-stenographer

CONTROL-METHODS RESEARCH

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Lawrence Street, Denver, Colo.
Dr. J. C. Munch, consulting pharmacologist, Mulford Biological
Laboratory, Glenolden, Pa.
J. C. Ward, associate pharmacologist, Dieter Bldg., 2254 Lawrence
Street, Denver, Colo.
E. E. Horn, associate biologist, district investigator,
332 Giannini Hall, University of California, Berkeley, Calif.
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Street, Hillsboro, Oreg.
W. W. Smith, junior biologist, district investigator, Box 94,
Polytechnic, Mont.
S. E. Aldous, junior biologist, district investigator,
208 French Building, Albuquerque, N. Mex.
B. F. Lowery, assistant biological aide, 2254 Lawrence Street,
Denver, Colo.
Helen L. Jones, clerk, Dieter Bldg., 2254 Lawrence Street,
Denver, Colo.

McCammon (Idaho) Mixing Plant

Paul T. Quick, junior biologist, in charge, Box 602, Pocatello, Idaho
H. O. Crowley, clerk, Box 602, Pocatello, Idaho

PREDATORY-ANIMAL AND RODENT CONTROL DISTRICTS

Alaska (Predatory-animal Control)

H. H. Gubser, leader, care of Governor of Alaska, Juneau

Region No. 1

James Silver, regional supervisor
F. N. Jarvis, biological aide, assistant
Mrs. Bessie M. Smith, stenographer

Alabama, Louisiana, Mississippi (Rodent Control)

Roy Moore, junior biologist, leader, State Plant Board,
A. and M. College, Miss.

Illinois, Indiana, Wisconsin (Rodent Control)

G. C. Oderkirk, assistant biologist, leader, Purdue University,
Lafayette, Ind.
Ella F. Henderson, clerk, Purdue University, Lafayette, Ind.

Michigan (Predatory-animal Control)

H. P. Williams, leader, care of State Conservation Office, Munising

New England States (Rodent Control)

E. M. Mills, junior biologist, leader, Fernald Hall, Amherst, Mass.

North Carolina and South Carolina (Rodent Control)

C. D. Schwartz, junior biologist, leader, Ricks Hall, State
College Station, Raleigh, N. C.

Wisconsin (Predatory-animal Control)

O. L. Coleman, leader, 406 Pioneer Bldg., Madison, Wis.

Region No. 2

Leo L. Laythe, regional supervisor, 305 Custom House, Denver, Colo.

Colorado (Predatory-animal and Rodent Control)

Dorr D. Green, assistant biologist, leader, 305 Custom House, Denver
J. W. Crook, assistant leader, Monte Vista
G. M. Trickel, assistant leader, Montrose
R. P. McFarland, assistant leader, Craig
Mrs. Jewell K. Burnett, clerk, 305 Custom House, Denver
Cecilia Mae Ustrud, clerk, 305 Custom House, Denver

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL DISTRICTS--Continued

Region No. 2--Continued

Montana

Predatory-animal Control--Box 1251, Billings, Mont.

R. E. Bateman, leader
L. M. Cheney, junior leader
Ferne Ruth Reynolds, clerk

Rodent Control--Extension Division, State Agricultural College,
Bozeman, Mont.

O. E. Steph1, assistant biologist, leader
E. C. Cates, junior biologist, assistant

South Dakota-Nebraska (Predatory-animal and Rodent Control)--
Post Office Bldg., Mitchell, S. Dak.

Louis Knowles, leader
H. H. Haecker, junior biologist, assistant
Sue C. Platt, clerk

Utah

Predatory-animal Control--204 Atlas Bldg., Salt Lake City Utah

Geo. E. Holman, leader
Edward Rasmussen, assistant leader
S. R. Dunham, agent
Mrs. Edna K. Thomas, clerk

Rodent Control--204 Atlas Bldg., Salt Lake City, Utah

R. S. Zimmerman, assistant biologist, leader
V. L. Johnson, agent
Mrs. Dorothy Kennedy, stenographer

Wyoming (Predatory-animal and Rodent Control)

Adolph S. Hamm, "associate biologist, leader, P. O. Box 215, Cheyenne
R. K. Stewart, assistant leader, Cheyenne
E. G. Albert, assistant leader, Lusk
O. L. Robinson, assistant leader, Rock Springs
Oliver S. Robinson, assistant leader, Sheridan
Mrs. Gertrude M. Hinrichsen, clerk, Cheyenne
Mrs. Dorothy M. Buckingham, stenographer, Cheyenne

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL DISTRICTS --Continued

Region No. 3

Ira N. Gabrielson, regional supervisor, 515 Post Office Bldg.,
Portland, Oreg.

California

Predatory-animal Control--State Office Bldg., Sacramento

Chas. G. Poole, leader,
J. G. Traub, assistant leader
Wm. F. Polson, assistant leader
Mrs. Norma M. Brown, clerk

Rodent Control

Joseph Keyes, assistant biologist, leader, State Office Bldg., Sacramento
H. G. Hansen, junior biologist, assistant, Room 206, Post Office
Bldg., Chico
Mrs. Helen C. Haenggi, stenographer, State Office Bldg., Sacramento

Idaho

Predatory-animal Control--P. O. Box 59, Pocatello

L. J. Goldman, leader
L. S. Twitchell, assistant leader
H. O. Crowley, clerk

Rodent Control

T. B. Murray, assistant biologist, leader, P. O. Box 13, Boise
Wm. E. Riter, junior biologist, assistant, P. O. Box 59, Pocatello
Geo. W. Kerr, clerk, P. O. Box 13, Boise
C. L. Bohlscheid, agent, P. O. Box 13, Boise

Nevada (Predatory-animal and Rodent Control)--450 Gazette Bldg., Reno

E. R. Sans, leader
A. L. Rasmussen, assistant leader
Mrs. Hilda B. Lyons, clerk

Oregon (Predatory-animal and Rodent Control)--515 Post Office Bldg., Portland

Stanley G. Jewett, leader
Roy Fugate, junior biologist
H. W. Dobyns, assistant leader
E. S. Hoek, clerk
Adelaide G. King, clerk
J. F. Branson, agent

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL DISTRICTS--Continued

Region No. 3--Continued

Washington

Predatory-animal and Rodent Control

Leo K. Couch, assistant biologist, leader, State Capitol, Olympia
Elmer Williams, assistant leader, State Capitol, Olympia
L. L. Englund, agent, assistant, State Capitol, Olympia
John Finley, assistant biologist, assistant, R. D. No. 3, Box 496, Puyallup
John D. Connors, agent, assistant, Room 417, Federal Bldg., Spokane
Clarence A. Tucker, agent, assistant, care of City Health Department, Tacoma
Deborah Williams, clerk, State Capitol, Olympia

Region No. 4

D. A. Gilchrist, regional supervisor, 134 South Central Avenue,
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Arizona (Predatory-animal and Rodent Control)--134 South Central Avenue, Phoenix

B. E. Foster, assistant biologist, leader
C. E. Gillham, assistant leader
Edward Muse, clerk

New Mexico (Predatory-animal and Rodent Control)--208 French Bldg.,
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J. C. Gatlin, Jr., assistant biologist, leader
S. C. Rogers, assistant leader
Thomas L. English, assistant leader
Mrs. Wanna K. Rutledge, clerk

Oklahoma-Arkansas (Predatory-animal Control)

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Oklahoma City, Okla.
C. F. Briggs, assistant leader, care of Fish and Game Commission,
Little Rock, Ark.
Esther Marmon, clerk, 514 Equity Bldg., Oklahoma City, Okla.

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL DISTRICTS--Continued

Region No. 4--Continued

Texas

Predatory-animal Control

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A. B. Bynum, assistant leader, Big Spring
Eddie B. Ligon, assistant leader, Fort Stockton
M. M. Smith, clerk, 904 Smith-Young Tower, San Antonio

Rodent Control

L. C. Whitehead, assistant biologist, leader, 904 Smith-Young Tower, San Antonio
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J. M. Hill, Jr., junior biologist, assistant, 904 Smith-Young Tower, San Antonio
F. W. Dawson, agent, assistant, 904 Smith-Young Tower, San Antonio
Helen Rockwell, clerk, 904 Smith-Young Tower, San Antonio

DIVISION OF GAME AND BIRD CONSERVATION

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_____, assistant U. S. game conservation officer
W. R. Dillon, assistant U. S. game conservation officer
Frank L. Earnshaw, assistant in reservations administration
F. P. Callaghan, assistant (Federal game-law violations)
F. G. Grimes, assistant (game and fur-law publications)
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BIG-GAME PRESERVES

Montana: National Bison Range

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Nebraska: Niobrara Reservation

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North Dakota: Sullys Hill National Game Preserve

Wesley D. Parker, protector, Fort Totten

South Dakota: Wind Cave National Game Preserve

H. Harrison Hoyt, protector, Hot Springs

Wyoming: Elk Refuge

Almer P. Nelson, protector, Jackson

Troy W. Pratt, assistant, Jackson

BIRD REFUGES

Alaska: Alaskan Reservations

Hugh W. Terhume, administrative officer, Juneau

Arkansas: Big Lake Reservation

Steven B. Crossley, protector, Manila

California: Clear Lake Reservation

Silas W. Kilgore, warden, Langell Valley, Oreg.*

Florida: Tampa Bay Group

H. P. Bennett, warden, 2900 - 68th Avenue, South, Route 54
Maximo, St. Petersburg

Hawaii: Hawaiian Islands Reservation

Gerrit P. Wilder, deputy reservation protector, 1930 Ualakaa
Street, Honolulu

Idaho: Minidcka Reservation

Joseph Talla, deputy reservation protector, Rupert*

*Cooperative warden, Bureau of Reclamation employee.

BIRD REFUGES--Continued

Montana:

Fort Keogh Reservation

J. R. Quesenberry, deputy reservation protector, Miles City*

Nine Pipe and Pablo Reservations

_____, protector,

Cecil H. Dexter, deputy reservation warden, Ronan**

F. C. Mayer, deputy reservation warden, Pablo**

Nebraska: North Platte Reservation

Harvey R. McElwee, deputy reservation protector, Minatare***

New Mexico:

Carlsbad Reservation

L. E. Foster, deputy warden, Carlsbad****

Henry C. Holcomb, deputy warden, Lakewood****

J. P. Middleton, deputy warden, Carlsbad****

Rio Grande Reservation

R. J. Schmalhausen, deputy warden, Elephant Butte, via Engle****

North Dakota:

Chase Lake Reservation

Wesley D. Parker, protector, Fort Totten

Hugh Marston, deputy warden, Pettibone****

Stump Lake Reservation

Wesley D. Parker, protector, Fort Totten

H. J. Schindele, deputy warden, Tolna***

Oregon: Lake Malheur Reservation

George M. Benson, protector, Voltage

South Dakota: Belle Fourche Reservation

Fred C. Winkler, deputy reservation protector, Fruitdale****

*Cooperative warden, Bureau of Animal Industry employee.

**Cooperative warden, Bureau of Indian Affairs employee.

***Cooperative warden.

****Cooperative warden, Bureau of Reclamation employee.

DIVISION OF GAME AND BIRD CONSERVATION--Continued

BIRD REFUGES--Continued

Utah: Bear River Migratory-Bird Refuge (Hdqrs. Bigelow Hotel, Ogden)

Geo. E. Mushbach, superintendent, Ogden

Leslie Bowen, assistant irrigation engineer, County Courthouse,
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Vanez T. Wilson, assistant irrigation engineer, County Courthouse,
Brigham

Mrs. Eleanor R. Bellairs, stenographer, Ogden

Spencer L. Richards, stenographer-clerk, County Courthouse, Brigham

Washington: Conconully Reservation

Charles M. Conger, deputy warden, Conconully*

UPPER MISSISSIPPI RIVER WILD LIFE REFUGE (Hdqrs. Federal Bldg., Winona, Minn.)

Ray C. Steele, superintendent, Winona

Elton C. Hotckiss, administrative assistant, Winona

Mabel A. McCann, stenographer, Winona

Genevieve M. C. Schuberg, stenographer, Winona

Reservation Rangers

Harley C. Lawrence, P. O. Box 295, Prairie du Chien, Wis.

John L. Lundberg, 302 Jefferson Street, Wabasha, Minn.

Albert J. Cheney, Bellevue, Iowa

Homer F. Hall, Federal Bldg., La Crosse, Wis.

Howard A. Miller, junior forester and reservation ranger, Winona

George H. Winslow, engineman, 813 S. 15th Street, La Crosse, Wis.

PROTECTION OF MIGRATORY BIRDS

United States Game Protectors

Harry Barmeier, 4947 Schollmeyer Avenue, St. Louis, Mo.

Wm. L. Birsch, Box 177, New Bern, N. C.

Louis A. Branchaud, care of Biological Survey, Washington, D. C.

B. R. Britton, Box 185, Socorro, N. Mex.

M. A. Charlton, 2106 Summit Street, Columbus, Ohio

Frank Clarkson, Box 1168, Houston, Tex.

Stephen Creech, Box 306, Peoria, Ill.

Philip S. Farnham, Owego, N. Y.

William H. Hoffman, Box 1022, Mobile, Ala.

*Cooperative warden, Bureau of Reclamation employee.

PROTECTION OF MIGRATORY BIRDS--Continued

United States Game Protectors--Continued

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 Floyd A. Johnson, 1301 General Taylor Street, New Orleans, La.
 J. V. Kelsey, Box 1825, Daytona Beach, Fla.
 Chester A. Leichhardt, 516 Post Office Bldg., Portland, Oreg.
 S. W. Linebaugh, Russellville, Ky.
 Lawrence J. Merovka, Room 43, Federal Bldg., Memphis, Tenn.
 John E. Perry, Room 400, Federal Bldg., Kansas City, Mo.
 Webster H. Ransom, Box 94, Spokane, Wash.
 George M. Riddick, Box 815, Little Rock, Ark.
 Kenneth F. Roahen, Box 438, Billings, Mont.
 B. J. Shaver, General Delivery, St. Paul, Minn.
 Bertrand E. Smith, 21 Rosemont Avenue, Portland, Me.
 Albert Stadlmeir, 45 Loraine Avenue, Pleasantville, N. J.
 Orin D. Steele, 125 Willis Street, Cambridge, Md.
 George Tonkin, Box 399, Berkeley, Calif.
 E. B. Whitehead, 532 E. 50th Street, Savannah, Ga.

Moody Creighton, marine engineer and pilot and U. S. deputy game warden, 213 - 15th Street, S.E., Washington, D. C.

IMPORTATION OF FOREIGN BIRDS AND MAMMALS

Dr. T. S. Palmer, senior biologist, in charge

Importation InspectorsArdmore, Pa.:

W. L. Baily, 220 E. Lancaster Avenue

Baltimore, Md.:

W. H. Fisher, Stock Exchange, Redwood Street

Honolulu, Hawaii:

D. T. Fullaway*
 L. A. Whitney*

Los Angeles, Calif.:

W. A. Bryan, Museum of History, Art, and Science

New York, N. Y.:

B. S. Bowdish, Demarest, N. J.
 Lee S. Crandall, New York Zoological Park, 185th Street and
 Southern Boulevard, New York City

*Plant Quarantine and Control Administration employee.

DIVISION OF GAME AND BIRD CONSERVATION--Continued

IMPORTATION OF FOREIGN BIRDS AND MAMMALS--Continued

Importation Inspectors--Continued

San Francisco, Calif.:

Mrs. M. E. Davidson, California Academy of Sciences, Golden Gate
Park, San Francisco
H. S. Swarth, California Academy of Sciences, Golden Gate Park,
San Francisco
Margaret W. Wythe, Museum of Vertebrate Zoology, Berkeley

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Harold W. Hicks, assistant land valuation engineer
Chalmer Jackson, transitman
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Daniel H. Janzen, junior forester
Armand F. Allard, transitman

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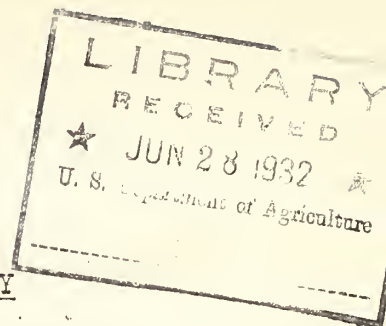
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John A. Murphy, attorney, in charge
Elton, C. Hotchkiss, administrative assistant
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Velma V. Kins, stenographer
Lena M. Comstock, stenographer
Mrs. Doris K. Cornwell, stenographer

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Mrs. Jean F. Stewart, stenographer, 604 Ridge Arcade

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY



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Edward A. Goldman, senior biologist (mammalogy, special surveys)
Dr. H. H. T. Jackson, senior biologist (mammalogy, surveys, and collections)
Vernon Bailey, senior biologist (mammalogy, special surveys)
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DIVISION OF BIOLOGICAL INVESTIGATIONS--Continued

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RELATION OF NATIVE AND INTRODUCED BIRDS AND OTHER ANIMALS TO AGRICULTURE--Cont'd.

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DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL DISTRICTS

Region No. 1 --Eastern Region

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F. N. Jarvis, biological aide, assistant
Mrs. Bessie M. Smith, stenographer

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Roy Moore, Junior biologist, leader, State Plant Board, State
College, Miss.

Illinois, Indiana, Wisconsin (Rodent Control)

G. C. Oderkirk, assistant biologist, leader, Purdue University,
Lafayette, Ind.
Ella F. Henderson, clerk, Purdue University, Lafayette, Ind.

Florida-Georgia (Rodent Control)

Carlyle Carr, junior biologist, leader, Extension Division,
State Agricultural College, Gainesville, Fla.

Michigan (Predatory-Animal Control)

H. P. Williams, leader, Post Office Bldg., Escanaba

New England States (Rodent Control)

E. M. Mills, junior biologist, leader, Fernald Hall, Amherst, Mass.

North Carolina and South Carolina (Rodent Control)

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G. M. Trickel, assistant leader, P. O. 664, Montrose
R. P. McFarland, assistant leader, Craig
Mrs. Jewell K. Burnett, clerk, 345 Custom House, Denver
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DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL DISTRICTS--Continued

Region No. 2--Continued

Montana

Predatory-Animal Control--Box 1251, Billings, Mont. (334 Federal Bldg.)

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L. M. Cheney, junior leader
Mrs. Ferne R. Dietrich, clerk

Rodent Control--Extension Division, State Agricultural College,
Bozeman, Mont.

O. E. Stephi, assistant biologist, leader
E. C. Cates, junior biologist, assistant
Sybil M. Hobart, clerk (part-time)

South Dakota-Nebraska (Predatory-Animal and Rodent Control)--Post
Office Building, Mitchell, S. Dak.

Louis Knowles, leader
H. H. Haecker, junior biologist, assistant
Sue C. Platt, clerk

Utah

Predatory-Animal Control--204 Atlas Bldg., Salt Lake City, Utah

Geo. E. Holman, leader
Edward Rasmussen, assistant leader
Mrs. Edna K. Thomas, clerk

Rodent Control--204 Atlas Bldg., Salt Lake City, Utah

R. S. Zimmerman, assistant biologist, leader
V. L. Johnson, agent
Mrs. Dorothy Kennedy, stenographer

Wyoming (Predatory-Animal and Rodent Control)

Adolph S. Hamm, associate biologist, leader, P. O. Box 215,
Cheyenne (Federal Building)
R. K. Stewart, assistant leader, Cheyenne
E. G. Albert, assistant leader, Lusk
O. L. Robinson, assistant leader, Rock Springs
Oliver S. Robinson, assistant leader, Sheridan
Velma V. Kins, clerk-stenographer, Cheyenne
Mrs. Dorothy M. Buckingham, clerk-stenographer, Cheyenne

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL DISTRICTS--Continued

Region No. 3--Pacific Region

Ira N. Gabrielson, regional supervisor, 516 Post Office Bldg.,
Portland, Oreg.

California

Predatory-Animal Control--State Office Bldg., Sacramento

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J. G. Traub, assistant leader
Wm. F. Polson, assistant leader
Mrs. Norma M. Brown, clerk

Rodent Control

Joseph Keyes, assistant biologist, leader, State Office Bldg.,
Sacramento
H. G. Hansen, junior biologist, assistant, Room 206, Post Office
Bldg., Chico
Jeannette Nelson, stenographer, State Office Bldg., Sacramento

Idaho

Predatory-Animal and Rodent Control

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L. S. Twitchell, assistant leader, P. O. Box 59, Pocatello
C. L. Bohlscheid, agent, P.O. Box 1998, Boise
O. W. Morris, agent, P.O. Box 305, Lewiston
Hammond Hansen, agent, P.O. Box 1998, Boise
George W. Kerr, clerk, P.O. Box 1998, Boise
H. O. Crowley, clerk, P.O. Box 59, Pocatello

Nevada (Predatory-Animal and Rodent Control)--450 Gazette Bldg., Reno

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A. L. Rasmussen, assistant leader
Mrs. Edna T. Heward, clerk
C. G. Fairchild, senior biological aide

Oregon (Predatory-Animal and Rodent Control)--515 Post Office Bldg.,
Portland

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Roy Fugate, junior biologist
H. W. Dobyns, assistant leader
F. R. Sankey, assistant leader
E. S. Hoek, clerk
Adelaide G. King, clerk
J. F. Branson, agent

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL DISTRICTS--Continued

Region No. 3--Continued

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Predatory-Animal and Rodent Control

Leo K. Couch, assistant biologist, leader, State Capitol, Olympia
Elmer Williams, assistant leader, State Capitol, Olympia
H. H. Gubser, assistant leader, State Capitol, Olympia
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Deborah Williams, clerk, State Capitol, Olympia

Region No. 4--Southwestern Region

D. A. Gilchrist, regional supervisor, 134 South Central Avenue,
Phoenix, Ariz.

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New Mexico (Predatory-Animal and Rodent Control)--208 French Bldg.,
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Eddie B. Ligon, assistant leader, Fort Stockton
M. M. Smith, clerk, 904 Smith-Young Tower, San Antonio

DIVISION OF PREDATORY-ANIMAL AND RODENT CONTROL--Continued

PREDATORY-ANIMAL AND RODENT CONTROL DISTRICTS--Continued

Region No. 4--Continued

Texas--Continued

Rodent Control

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R. W. Williams, assistant U. S. game conservation officer
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Clarence G. Young, foreman-laborer, Moiese

Nebraska: Niobrara Reservation

Geno A. Amundson, assistant reservation protector, Valentine
Earl Ladd, laborer, Valentine

DIVISION OF GAME AND BIRD CONSERVATION--Continued

BIG GAME PRESERVES--Continued

North Dakota: Sullys Hill National Game Preserve

Wesley D. Parker, reservation protector, Fort Totten

South Dakota: Wind Cave National Game Preserve

H. Harrison Hoyt, reservation protector, Hot Springs

Barney Curl, laborer, Hot Springs

James L. Lynam, laborer, Hot Springs

Wyoming: Elk Refuge

Almer P. Nelson, reservation protector, Jackson

Troy W. Pratt, assistant, Jackson

William McInelly, laborer, Jackson

Ray H. Osborne, laborer, Jackson

BIRD REFUGES

Alaska: Alaskan Reservations

Hugh W. Terhune, administrative officer, Juneau

Arkansas: Big Lake Reservation

Steven B. Crossley, reservation protector, Manila

California

Clear Lake Reservation

Hugh M. Worcester, reservation protector, Box 156, Merrill, Oreg.

Tule Lake Reservation

Hugh M. Worcester, reservation protector, Box 156, Merrill, Oreg.

Florida

St. Marks Migratory Bird Refuge

Paul T. Kreager, junior forester, acting supervisor, St. Marks

Tampa Bay Group

H. P. Bennett, warden, 2900 Sixty-eighth Avenue south, Route 54
Maximo, St. Petersburg

DIVISION OF GAME AND BIRD CONSERVATION--Continued

BIRD REFUGES--Continued

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Hawaii: Hawaiian Islands Reservation

_____, deputy reservation protector, Honolulu

Idaho

Deer Flat Reservation

Robert E. Towle, deputy reservation protector, 1015 North Ninth Street, Boise

Minidoka Reservation

Joseph Talla, deputy reservation protector, Rupert*

Maryland: Blackwater River Migratory Bird Refuge

Peter J. Van Huizen, junior forester, acting supervisor,
c/o Charles Handley, Cambridge

Montana

Fort Keogh Reservation

J. R. Quesenberry, deputy reservation protector, Miles City**

Nine Pipe and Pablo Reservations

Robert S. Norton, reservation protector, Moiese

Nebraska

North Platte Reservation

Harvey R. McElwee, deputy reservation protector, Minatare***

Crescent Lake Migratory Bird Refuge

William T. Krummes, junior forester, acting supervisor, Humber

* Cooperative protector, Bureau of Reclamation employee
** Cooperative protector, Bureau of Animal Industry employee
*** Cooperative protector

DIVISION OF GAME AND BIRD CONSERVATION--Continued

BIRD REFUGES--Continued

New Mexico

Carlsbad Reservation

L. E. Foster, deputy reservation protector, Carlsbad*

Rio Grande Reservation

R. J. Schmalhausen, deputy reservation protector, Elephant Butte, via Engle*

North Dakota

Chase Lake Reservation

Wesley D. Parker, reservation protector, Fort Totten

Stump Lake Reservation

Wesley D. Parker, reservation protector, Fort Totten

Oregon

Lake Malheur Reservation

George M. Benson, reservation protector, Voltage

Upper Klamath Reservation

Hugh M. Worcester, reservation protector, Box 156, Merrill

South Carolina

Cape Romain Migratory Bird Refuge

James D. Pittman, deputy reservation protector, McClellanville
Andrew H. DuPre, deputy reservation protector, McClellanville

Savannah River Reservation

Garnett W. Saye, deputy reservation protector, 27 Abercorn St., Savannah, Ga.

South Dakota: Bella Fourche Reservation

Fred C. Winkler, deputy reservation protector, Fruitdale*

*Cooperative protector, Bureau of Reclamation employee

DIVISION OF GAME AND BIRD CONSERVATION--Continued

BIRD REFUGES--Continued

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Fred B. Tindall, deputy reservation protector, Conconully*

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*Cooperative protector, employee of Okanogan Irrigation District

DIVISION OF GAME AND BIRD CONSERVATION--Continued

PROTECTION OF MIGRATORY BIRDS--Continued

United States Game Protectors--Continued

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DIVISION OF GAME AND BIRD CONSERVATION--Continued

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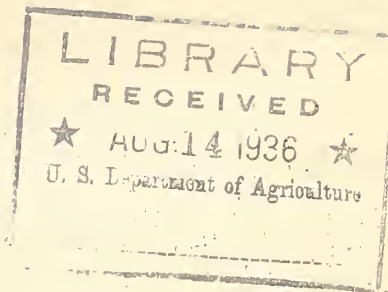
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Bi-945
May 1936



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Section of Cooperatin in Wildlife Management--Continued

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(a) Plant Quarantine and Control Administration employee

Section of Predatory and Rodent Control--Continued

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 Mrs. Nell M. Goudy, stenographer
 H. W. Dobyns, junior district agent, Pendleton
 F. R. Sankey, junior district agent, Redmond
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(b) Employed by Forest Service (Shelter Belt)

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Predator and Rodent Control Districts--Continued

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C. R. Landon, district agent, (predatory animal control)
James E. Poore, assistant district agent
E. T. Personett, junior district agent
A. B. Bynum, junior district agent
Eddie B. Ligon, junior district agent, Fort Stockton
Melba A. Batdorf, clerk
L. C. Whitehead, district agent (rodent control)
J. M. Hill, Jr., assistant district agent, Federal Bldg., Lubbock
F. W. Dawson, junior district agent
Sarah L. Tyler, stenographer
John E. Boog-Scott, Jr., agent, San Angelo
Daniel M. Foster, agent, Nacogdoches
Richard B. Hickerson, agent, College Station
Joe B. Lindsey, agent, Fort Worth

Game Management Agents

John Q. Holmes, Box 864, Garden City, Kans.
Frank Clarkson, Box 1168, Houston, Tex.
Milton J. Boone (acting), 3120 N.W. 14th St., Oklahoma City, Okla.

Deputy Game Management Agent

Vernon D. Yelton, Box 534, Albuquerque, N. Mex.

DIVISION OF GAME MANAGEMENT--Continued

Region No. 3: Southwestern Region--Continued

Big-Game Preserve

Oklahoma: Wichita Mountains Wildlife Refuge (headquarters, Cache)

Harry H. French, superintendent
Wm. E. Drummond, forest ranger
Lisbeth Frigo, clerk

Forest Service (Shelter Belt) employees

Robert A. Rowe, junior district agent, Pratt, Kans.
Herbert R. Wells, junior district agent, Woodward, Okla.

Region No. 4: West Central Region (headquarters, Room 209-211 Federal Bldg.,
Moline, Ill.)

George Tonkin, regional director
Virginia Bishop, stenographer

Rodent Control Districts (see Region No. 6)

Game Management Agents

John E. Perry, Box 487, Madison, Wisc.
Harry Barmeier, 4947 Schollmeyer Ave., St. Louis, Mo.
B. J. Shaver, 456 Brainerd Ave. St. Paul, Minn.
John M. Martin (acting), P. O. Box 306, Peoria, Ill.

Deputy Game Management Agents (headquarters, P. O. Box 102, Winona, Minn.)

George R. Haenichen
Jesse F. Thompson
Delbert Hubbard

Region No. 5: Southern Region (headquarters, Box 15, State College, Miss.)

Roy Moore, regional director
Louise Gill, stenographer

Rodent Control District (headquarters, Box 15, State College, Miss.)

Robert B. Deen, district agent

Game Management Agents

Lawrence J. Merovka, P. O. Box 15, New Orleans, La.
Howell Buntin, Box 493, Memphis, Tenn.
Eugene M. Boring, P. O. Box 433, Mobile, Ala.

DIVISION OF GAME MANAGEMENT--Continued

Region No. 5: Southern Region--Continued

Deputy Game Management Agents (headquarters, c/o Roy Moore, State College, Miss.)

Cecil B. Pettepher

Walter B. Mebane

John C. Knox

Region No. 6: East Central Region (headquarters, Michigan State College,
E. Lansing, Mich.)

Daniel H. Janzen, regional director

Mabel A. McCann, stenographer

Rodent Control Districts (Regions Nos. 4 and 6) (headquarters, Purdue
University, Lafayette, Ind.)

G. C. Oderkirk, district agent

Blanche Lods, clerk

Game Management Agents

Stephen Creech, P. O. Box 306, Bay City, Mich.

R. C. Soaper, Henderson, Ky.

Fred Brint, Sylvania, Ohio (cooperative)

Deputy Game Management Agents (headquarters, Michigan State College,
East Lansing, Mich.)

William G. Tibbels

Robert L. Coppess

Edward T. Carter

Region No. 7: South Atlantic Region (headquarters, Biological Survey,
Washington, D. C.)

James Silver, regional director

F. N. Jarvis, biological aide

Mrs. Bessie M. Smith, stenographer

Rodent Control District

North Carolina - South Carolina - Virginia (headquarters, Extension Service,
State College, Raleigh, N. C.)

George B. Lay, district agent

Game Management Agents

Orin D. Steele, 125 Willis Street, Cambridge, Md.

Louis A. Branchaud, Tappahannock, Va.

William L. Birsch, Box 47, Washington, N. C.

Jay V. Kelsey, P. O. Box 1366, Daytona Beach, Fla.

DIVISION OF GAME MANAGEMENT--Continued

Region No. 7: South Atlantic Region--Continued

Game Management Agents--Continued

John C. S. Boswell, 401 E. 49th St., Savannah, Ga.
Richard D. Hildebrand, Asheville, N. C. (at large)

Deputy Game Management Agent (headquarters, R. D. I, Florence, S. C.)

Earnest R. Atkinson

Region No. 8: Northeastern Region (headquarters, 310 Federal Bldg., Portland, Me.)

Bertrand E. Smith, regional director
Mrs. Violet H. Pruitt, stenographer
T. Gilbert Pearson, collaborator, New York City, N. Y.

Rodent Control District (headquarters, South College Bldg., Amherst, Mass.)

E. M. Mills, district agent
Robert E. Buck, laboratory technician
Mrs. Esther G. Clague, stenographer

Game Management Agents

P. S. Farnham, 63 McMaster St., Owego, N. Y.
Albert Stadlmeir, 18 Lake Place, Pleasantville, N. J.
Lee F. Brackett, Federal Bldg., Portland, Me.

Deputy Game Management Agents

Harold E. Dewey, 63 McMaster St., Owego, N. Y.
Samuel T. Miller, Jr., Federal Bldg., Portland, Me.
Wellington B. White, Federal Bldg., Portland, Me.

Alaska Game Commission

Irving McK. Reed, chairman and member from fourth judicial division,
Fairbanks
Earl N. Ohmer, member from first judicial division, Petersburg
Frank P. Williams, member from second judicial division, St. Michael
Andrew A. Simons, member from third judicial division, Lakeview (via Seward)
Hugh W. Terhune, executive officer and secretary; chief representative of
Bureau of Biological Survey resident in Alaska, P. O. Box 2021, Juneau
Frank Dufresne, assistant executive officer and collaborator, Juneau

DIVISION OF LAND ACQUISITION

RUDOLPH DIEFFENBACH, senior land valuation engineer, and chief
Margaret A. Roberts, clerk
Mrs. Marie E. Lynch, clerk-stenographer
Mrs. Gladys D. Jackson, clerk-stenographer
Mrs. Maude S. Ponton, clerk
Mrs. Creola M. Wilson, typist

DIVISION OF LAND ACQUISITION--Continued

Section of Appraisals and Negotiations

Robert M. Rutherford, associate land valuation engineer
Raymond W. Kehr, assistant land valuation engineer
John A. Morrison, assistant land negotiator
Everett G. Horn, junior land negotiator
Elmon Radway, senior acquisition aide
Merton F. Radway, senior acquisition aide
Earl F. Gates, senior acquisition aide
James A. Jordan, Jr., senior acquisition aide
Mrs. Gay Faulkner, clerk-stenographer
Rose Anne Feeley, stenographer
Mrs. Mary M. Hough, stenographer

Section of Surveys and Maps

Arthur A. Riemer, land valuation engineer
Fred F. Friend, associate civil engineer
Henry S. Hickman, junior cadastral engineer
Oliver F. Folk, chief engineering draftsman
Jack H. Chipps, senior engineering draftsman
Ralph L. Conneely, engineering draftsman
C. A. J. English, engineering draftsman
William L. Mullen, engineering draftsman
Gibson D. Hall, engineering draftsman
James E. Miller, engineering draftsman
Karroll T. Sallust, engineering draftsman
George F. Pierce, topographic draftsman
E. Nell Scruggs, clerk-stenographer
Virginia M. Freitas, clerk-stenographer
Mrs. Emily M. Hilbert, typist
Wilma M. McDowell, stenographer

Field Headquarters

Georgia

Horace A. Turner, assistant cadastral engineer, Savannah
James W. Whitehead, Jr., engineering aide, Manteo, N. C.
William A. Schmidt, engineering aide, Waycross
Paul P. Young, junior engineering aide, Waycross

Minnesota

Harold W. Hicks, assistant land valuation engineer, Winona

Section of Surveys and Maps--Continued

Field Headquarters--Continued

District 1 (headquarters, 401 New Custom House, P. O. Box 1770, St. Louis Mo.)

Charles S. Cook, associate cadastral engineer
 Clair L. Howard, junior cadastral engineer
 Sidney Drew, engineering draftsman
 Theodore R. Pillman, engineering draftsman
 Irving Powers, engineering draftsman
 James W. Howard, assistant engineering aide
 Norville E. Shearer, assistant engineering aide
 Harold R. Vogel, assistant engineering aide
 William C. Adams, stenographer
 Mrs. Dorothy J. Jennings, stenographer
 Pearl F. Gelbach, stenographer
 Irene A. E. Emmerich, stenographer
 Angela E. Viscardi, typist
 Elizabeth R. Holmes, stenographer
 Grace Spellmeyer, clerk-typist

Acquisition

T. R. Storm, assistant land negotiator
 Carl B. Vogen, assistant land negotiator
 William L. Towns, assistant land negotiator
 H. J. Sargeant, assistant land valuation engineer
 L. L. Corrie, assistant land negotiator
 Nels R. Lee, junior land negotiator
 B. W. Penny, junior land negotiator
 Erskine Poage, junior land negotiator
 H. M. Erickson, junior land negotiator
 William E. Ackerknecht, senior acquisition aide
 David V. Black, senior acquisition aide

Surveys

James W. Barker, assistant cadastral engineer
 T. M. Conrardy, Jr. assistant cadastral engineer
 Marion E. Phillips, assistant cadastral engineer
 Oswald E. Recroft, assistant cadastral engineer, Waycross, Ga.
 John M. Gustafson, engineering aide
 John S. Hale, engineering aide
 George W. Johnson, engineering aide

DIVISION OF LAND ACQUISITION--Continued

Section of Surveys and Maps--Continued

Field Headquarters--Continued

District I--Continued

Walter J. Judson, engineering aide
Clifford A. Lewis, engineering aide
Alton L. Pierce, engineering aide, Pilot Town, La.
H. R. Sexauer, engineering aide
Harold H. Waddel, engineering aide
Willard Z. Bayliss, engineering aide
Richard F. Dittman, engineering aide
Francis J. Colliton, junior engineering aide
John W. Rocky, junior engineering aide
Jack Y. Upham, junior engineering aide
Bernard G. Allen, under engineering aide
James A. Dunn, under engineering aide
Gardner W. Hicks, under engineering aide
Jack Smith, under engineering aide
Joseph C. Thoma, under engineering aide, Waycross, Ga.
Edward J. Witt, under engineering aide
Lee Roy Woodruff, under engineering aide
William R. Toole, under engineering aide
Edwin F. Knight, junior under engineering aide
Francis B. Klein, under engineering aide
Arthur K. Lohoff, under engineering aide

District II (headquarters, Smith-Young Tower Bldg., San Antonio, Tex.)

Albert J. Rissman, in charge, assistant land valuation engineer
Kenneth C. Kern, assistant cadastral engineer
Paul T. Kreager, assistant land valuation engineer
James F. Kerr, junior cadastral engineer
Leslie F. Griffin, engineering draftsman
Edgar J. Wheeler, assistant engineering aide
Dorothy S. Chamberlain, clerk-stenographer

Acquisition

Robert F. Morgan, junior land negotiator
J. K. Walton, Jr., junior land negotiator

Surveys

J. C. Pinney, assistant cadastral engineer
Ernest S. Silcox, engineering aide
J. Ralph Campbell, engineering aide
Ross W. Moor, engineering aide
Medill Thiebaud, engineering aide
Lyle F. Jones, junior engineering aide
Lester S. Mann, junior engineering aide, Buras, La.

DIVISION OF LAND ACQUISITION--Continued

Section of Surveys and Maps--Continued

Field Headquarters--Continued

District 111 (headquarters, 411 Eccles Building, Box 989, Ogden, Utah)

Doren E. Woodward, assistant land valuation engineer, in charge
Bert J. G. Tousey, assistant cadastral engineer
Howard A. Miller, assistant land valuation engineer
Charles T. Annis, engineering draftsman
Leah Lloyd, stenographer
Velda Lowe, stenographer

Acquisition

Orval E. Winkler, assistant land negotiator
A. Asgrimson, junior land negotiator
Richard H. Putham, junior land negotiator
E. H. Gruenhagen, junior land negotiator
Leo P. Slattey, senior acquisition aide
Joseph A. Bridges, senior acquisition aide
Raymond B. St. John, senior acquisition aide
Alastair D. Campbell, senior acquisition aide
Sedley M. Lingo, senior acquisition aide

Surveys

Armand F. Allard, assistant cadastral engineer
Merland H. Benedict, engineering aide
George E. Barclay, engineering aide
Frank W. Kennon, engineering aide
Evan G. Bower, junior engineering aide
John J. Macaya, under engineering aide
Angus Neil McPhoe, under engineering aide

DIVISION OF MIGRATORY WATERFOWL

J. CLARK SALYER II, chief
A. C. Elmer, assistant chief
Mrs. Winifred B. Watkins, junior administrative assistant
Raymond A. Soderberg, project analyst
Mrs. N. Beth Woodin, stenographer
Mary E. Savage, clerk-stenographer
Gertrude R. Cavanagh, stenographer
Mrs. Ann W. Aldrich, clerk-stenographer
Joseph Loeb, file clerk

DIVISION OF MIGRATORY WATERFOWL--Continued

Section of Restoration and Development

Amos B. Emery, senior refuge development planner, in charge
P. S. M. Pedersen, construction engineer
R. O. Gustafson, administrative assistant
Daniel L. Andrews, senior engineering draftsman
Joseph J. Kress, engineering draftsman
David C. Cleland, associate architect
Millard I. Frost, associate architect
C. Edgar Cope, associate architect
Michael J. Sessani, assistant architect
Edward P. McDeermott, junior architectural engineer
Sibley C. Smith, engineering draftsman (architectural)
Vera Jaeger, clerk-stenographer
Florence L. Shanks, clerk
Gladys Torson, stenographer
Josephine S. Rendler, stenographer
Mrs. Frances L. Hagan, Clerk-stenographer
Mrs. H. Miriam Bailey, clerk-stenographer
Lee Franklin Robinson, clerk
Agnes V. Bragge, clerk-stenographer
Beverly L. Gaylor, clerk-stenographer
Margaret LeSar, clerk-stenographer
Mrs. Betty Grossman, typist

Field Personnel

Raymond T. Farrelly, assistant architect, Mound City, Mo.
Wilfred J. Gregson, associate architect, c/o Mr. H.H. French, Cache, Okla.
Norman W. Averill, associate architect, Burns, Oreg.
Leonard Stanford, associate architect, Washington, D. C. Office
Paul G. Hirschler, assistant architect, Valentine, Nebr.

Section of Reconnaissance and Habitat Improvement

Wesley F. Kubichek, associate biologist
June Montgomery, clerk-stenographer

Field Personnel

John J. Lynch, junior biologist, Amherst, Mass.
Walter W. Bennett, assistant refuge manager (Reconnaissance), Mumper, Nebr.
F. W. Ouradnik, head photographer, Ann Arbor, Mich.
Norman Ellis, under laboratory helper, Ann Arbor, Mich.

Section of Maintenance and Patrol

A. C. Elmer, in charge
Elizabeth McGrath, stenographer

Section of Maintenance and Patrol--Continued

Alaska: Alaskan Refuges

Hugh W. Terhune, administrative officer, Juneau

Arkansas

Big Lake Migratory Bird Refuge

Steven B. Crossley, reservation protector, Box 157, Manila

White River Migratory Waterfowl Refuge (headquarters, DeWitt)

Harley Lawrence, reservation ranger

Charles M. Parker, boatman and laborer

Olin H. Cash, patrolman

W. B. Taylor, deputy game management agent

R. G. Hillhouse, deputy reservation protector

California

Clear Lake Bird Refuge (also Oregon) (headquarters, Box 50, Merrill, Oreg.)

Clinton G. Fairchild, game management agent

S. W. Kilgore, deputy reservation warden

Tule Lake Wildlife Refuge (headquarters, Box 50, Merrill, Oreg.)

Clinton G. Fairchild, game management agent

Wallace M. Leonard, junior refuge manager

Upper Klamath Wildlife Refuge

Clinton G. Fairchild, game management agent, Box 50, Merrill, Oreg.

Florida

St. Marks Migratory Bird Refuge (headquarters, St. Marks)

Robert T. Cochran, junior refuge manager

Lewis B. Turner, junior forest game warden

Chinsegut Hill Migratory Bird Refuge

W. F. Ward, deputy reservation protector (a)

R. T. Long, deputy reservation protector (a)

DIVISION OF MIGRATORY WATERFOWL--Continued

Section of Maintenance and Patrol--Continued

Georgia

Blackbeard Island Reservation (headquarters, Sapelo)

Harry E. Magbee, agent and deputy game warden
Louis Lasek, assistant construction engineer

Savannah River Wildlife Refuge (headquarters, R.D.1, Port Wentworth, Savannah)

Edwin P. Creaser, assistant refuge manager
M. C. Hutchins, assistant civil engineer
Mannie Carter, agent and game warden
L. M. Harrison, deputy reservation protector

Hawaii: Hawaiian Islands Bird Refuge

Edward L. Caam, deputy reservation protector, P. O. Box 411, Honolulu

Idaho

Minidoka Bird Refuge

Joseph Talla, deputy reservation protector (b), Rupert

Deer Flat Reservation

George M. Benson, reservation protector, 912 Twelfth Ave., South Nampa

Illinois: Chautauqua Migratory Waterfowl Refuge (headquarters, Havana)

Gill Gigstead, junior refuge manager
Daniel Avery, boatman and laborer

Iowa

Nels Nelson, deputy reservation ranger, McGregor

Louisiana

Lake Charles

George B. Saunders, associate refuge manager
Clarence E. Harness, junior civil engineer
Charles H. Gremmels, junior civil engineer

Delta Migratory Waterfowl Refuge (headquarters, Pilot Town)

John H. Sutherlin, junior refuge manager
Andrew E. Schmitt, junior refuge manager
Theodore Johnson, laborer
C. P. Pelas, boatman and patrol
George H. Sutherlin, laborer and patrol

DIVISION OF MIGRATORY WATERFOWL--Continued

Section of Maintenance and Patrol--Continued

Maryland: Blackwater Migratory Bird Refuge

Peter J. VanHuizen, junior forester, R. D. 1, Cambridge

Michigan: Seney Migratory Waterfowl Refuge (headquarters, Germfask)

C. S. Johnson, assistant refuge manager
Charles S. Stuttle, junior civil engineer
William G. Anderson, engineering aide
John H. Burgess, assistant engineer
Thomas J. Skarritt, engineering aide
Frederic A. Johnson, under engineering aide
Donald M. McEachern, under engineering aide

Minnesota

Upper Mississippi Wildlife Refuge (also Iowa, Illinois, and Wisconsin)
(headquarters, Winona, Minn.)

Ray C. Steele, superintendent
Albert Van S. Pulling, associate biologist
Genevieve M. C. Schuberg, stenographer
Margaret M. Mallaney, stenographer
George H. Winslow, engineman and deputy reservation ranger
Edward D. Blum, deputy reservation protector

Reservation Rangers

John D. Hassinger
Henry M. Herrington
Sam J. Hyde
Arthur J. Lawrence
Clifford Lee
William Miller
R. Bruce Moore
Sam Pritchard
Edward R. Ragatz
Herbert Richards
Ed Richter
Charles Robach
Frank Rost
William Scranton
Frank C. Sloane
Tony J. Snyder
Louis E. Tabatt
Joseph G. Teff
William VanDanAcker

DIVISION OF MIGRATORY WATERFOWL--Continued

Section of Maintenance and Patrol--Continued

Minnesota--Continued

Upper Mississippi Wildlife Refuge--Continued

Reservation Rangers--Continued

Henry W. Vogel

Dominic Yeager

Julius G. H. Frerichs

J. Y. Gresham

Frank C. Mayer

John L. Lundberg, 301 South Prairie St., Prairie du Chien, Wis.

Albert J. Cheney, Bellevue, Ia.

Homer F. Hall, 309 Federal Bldg., La Crosse, Wis.

John P. Jacobs, Wabasha, Minn.

Tamarac Lakes Refuge

Arthur B. Hamilton, watchman

Missouri

St. Louis Office, Box 1770

Carey H. Bennett, associate refuge manager

William V. Taylor, drainage engineer

Virgil E. Johnson, stenographer

Charles B. Kohli, junior civil engineer

Squaw Creek Migratory Waterfowl Refuge

Gerald B. Spawn, junior refuge manager, Mound City

Montana

Bowdoin Migratory Waterfowl Refuge

Benjamin M. Hazeltine, in charge, foreman laborer, Box 823, Malta

Medicine Lake Migratory Waterfowl Refuge

William T. Krummes, assistant refuge manager, Medicine Lake

Red Rock Lakes Migratory Waterfowl Refuge

Archie V. Hull, junior refuge manager, Lakeview

DIVISION OF MIGRATORY WATERFOWL--Continued

Section of Maintenance and Patrol--Continued

Montana--Continued

Fort Keogh Bird Refuge

J. R. Quesenberry, in charge (a), Miles City

Nine Pipe and Pablo Bird Refuges

Dr. R. S. Norton, in charge of National Bison Range, Moiese

Nebraska

Crescent Lake Migratory Bird Refuge (headquarters, Mumper)

Walter W. Bennett, assistant refuge manager
Earl Ladd, laborer

Valentine Migratory Waterfowl Refuge (headquarters, Valentine)

Ward M. Sharp, assistant refuge manager
Ancil O. Talmage, junior refuge manager
Daniel J. Fenton, clerk

North Platte Bird Refuge

Harvey R. McElwee, deputy reservation protector, Minature

Nevada: Railroad Valley Refuge

Harvey L. Titus, patrolman-laborer, Currant

New Mexico: Carlsbad Bird Refuge (headquarters, Carlsbad)

L. E. Foster, deputy reservation protector (a)
J. P. Middleton, assistant (a)
George R. Shannon, deputy reservation protector
A. A. Kaiser, deputy reservation protector
D. N. Vest, deputy reservation protector

New York: Jones Beach Sanctuary

John F. Herholdt, junior refuge manager, 213 W. Wilson Ave., Bellmore

DIVISION OF MIGRATORY WATERFOWL -- Continued

Section of Maintenance and Patrol--Continued

North Carolina

Swanquarter Migratory Bird Refuge

Joseph S. Mann, in charge, Swanquarter

Mattamuskeet Migratory Bird Refuge (headquarters, New Holland)

Earle R. Greene, junior refuge manager

Willie G. Cahoon, deputy reservation protector

Pea Island Migratory Waterfowl Refuge

Samuel A. Walker, junior refuge manager, Manteo

North Dakota

Burnie Maurek, district refuge administrator, 209 Federal Bldg., Minot

ChaseLake Bird Refuge

Hugh Marston, deputy reservation protector (c), Pettibone

Wesley D. Parker, reservation protector, Fort Totten

Stump Lake Bird Refuge

H. J. Schindele, deputy reservation protector (c), Tolna

L. A. Johnson, deputy reservation protector (c), Tolna

Wesley D. Parker, reservation protector, Fort Totten

Arrowwood Migratory Waterfowl Refuge

Seth H. Low, junior refuge manager, Kensal

Des Lacs and Lostwood Migratory Waterfowl Refuges

John H. Steenis, assistant refuge manager, Kenmare

Lower Souris Migratory Waterfowl Refuge (headquarters, Upham)

Cordia J. Henry, assistant refuge manager

Earl W. Craven, junior refuge manager

Upper Souris Migratory Waterfowl Refuge

Philip N. Chase, junior refuge manager, Foxholm

DIVISION OF MIGRATORY WATERFOWL -- Continued

Section of Maintenance and Patrol--Continued

Oregon

McKay Creek Bird Refuge

Clifford L. Tice, deputy reservation protector (a), Pendleton

Malheur Migratory Bird Refuge (headquarters, Burns)

Stanley G. Jewett, superintendent

John C. Scharff, assistant superintendent (range management)

Harold F. West, assistant civil engineer

Robert E. Towle, junior refuge manager

Frederick A. Anderson, clerk-stenographer

South Carolina: Cape Romain Migratory Bird Refuge (headquarters, McClellanville)

Edward M. Moore, junior refuge manager

Andrew H. DePre, junior refuge manager

Thurmond C. Bostick, patrolman mechanic

August Wichman, deputy reservation protector

Richard Nesbit, Jr., laborer

South Dakota

Mitchell Office, Box 66

John N. Ball, associate refuge manager

Mrs. Rose Zettle, stenographer

Lacreek Migratory Waterfowl Refuge

Chandler R. Young, junior refuge manager, Martin

Sand Lake Migratory Waterfowl Refuge

Philip A. DeMont, assistant refuge manager, Columbia

Waubay Migratory Waterfowl Refuge

Clinton H. Schemmer, junior refuge manager, Waubay

Belle Fourche Bird Refuge

Fred C. Winkler, deputy reservation protector, Fruitdale

Tennessee: Lake Isom Migratory Waterfowl Refuge

George M. Zaricor, watchman, Hornbeak

DIVISION OF MIGRATORY WATERFOWL --- Continued

Section of Maintenance and Patrol---Continued

Utah: Bear River Migratory Bird Refuge (headquarters, Brigham)

George E. Mushbach, superintendent
Vanez T. Wilson, assistant irrigation engineer
Ralph C. Winslow, deputy game management agent
Frank P. Giles, clerk-stenographer
Byron H. Tuttle, deputy reservation protector
Leo Young, dragline operator and mechanic

Washington

F. B. Tindall, deputy reservation protector (d), Concomully

Wisconsin: Trempealeau Migratory Waterfowl Refuge

Edward C. Knopp, deputy game management agent, Winona, Minn.

Headquarters subject to change

Brice McBride, hydraulic engineer
Charles H. Torreyson, assistant hydraulic engineer
Lee R. Jacoby, assistant to technician
Meyer R. Millner, assistant to technician
Everett H. Nelson, junior civil engineer
Raymond P. Murphy, junior civil engineer
Dwight Cromer, junior civil engineer
G. Robert Gregory, junior civil engineer
Roger A. Lillicrap, junior civil engineer
George T. Winston, Jr., junior civil engineer
George T. McEniry, under engineering aide
Orlon J. Brockbank, under engineering aide
Ray R. Hoggard, under engineering aide
Harry P. Kerr, engineering aide
Leonard G. Estey, engineering aide
Lawrence G. Creager, engineering aide
Wilson A. Ziegler, under engineering aide
Robert B. Richardson, junior civil engineer
F. E. Drager, senior levelman
William L. Walker, rodman

- (a) Cooperative protector, Bureau of Animal Industry employee
- (b) Cooperative protector, Bureau of Reclamation employee
- (c) Cooperative protector
- (d) Cooperative protector, Reclamation project employee

